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(71)Applicant : THREE BOND CO LTD
TOYOTA MOTOR CORP

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(72)Inventor : KAGOSAKI TATSUYA
TASHIRO HIROSHI
KICHIJIMA KAZUYA
ONOUCHI HIROYUKI

(54) ROOM TEMPERATURE-CURABLE SEALING MATERIAL COMPOSITION USED FOR AUTOMOBILES

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a room temperature-curable sealing material composition of a condensation curing type used for automobiles that has excellent quick curing properties and curing properties in the depth, as well as engine oil resistance, long-life coolant resistance and water resistance.

SOLUTION: This room temperature-curable sealing material composition used for automobiles comprises (A) 100 pts.wt. of a dimethylpolysiloxane having both terminals of the molecular chain blocked with hydroxy groups, and having a viscosity at 25° C of 1,000-100,000 mPa.s, (B) 2-15 pts.wt. of a silane compound having a general formula: $\text{CH}_2=\text{CHSi}(\text{O}-\text{N}=\text{CR}_1\text{R}_2)_3$ (wherein R1 and R2 are each, same or different, a 1-6C monovalent hydrocarbon group) or a partially hydrolyzed product thereof, (C) a ketone compound in an amount wherein 0.001-1.0 mol of a reactive carbonyl group is present per 100 pts.wt. of (A), (D) an amine compound having a primary amino group wherein 0.001-1.0 mol of the primary amino group is present per 100 pts.wt. of (A), and (E) 5-150 pts.wt. of zinc oxide having a surface treated to provide a hydrophobia property.

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